

## **Dr. Ian Castillo**

### **Director, Hydrogen and Tritium Directorate, Canadian Nuclear Laboratories**

### **Co-CEO, Fusion Fuel Cycles Inc.**

**Dr. Ian Castillo**, a distinguished leader in tritium technology and nuclear innovation, was appointed Co-CEO of Fusion Fuel Cycles Inc. (FFC) as part of a term assignment from Canadian Nuclear Laboratories (CNL). Recognized as a tritium expert, Dr. Castillo has extensive experience in strategic alliances and business ventures within the nuclear sector.



With close to 18 years at CNL, Dr. Castillo has led the strategic direction, capability development, and R&D execution of CNL's Hydrogen and Tritium Directorate. His work encompasses aligning stakeholder interests, assessing market trends, and developing a technology portfolio that leverages CNL's unique capabilities in hydrogen isotopes, particularly in fusion energy and tritium management. His leadership was instrumental in major projects, including the refurbishment of CNL's Tritium Facility, modernization of its Analytical Chemistry infrastructure, and establishment of a new Hydrogen Laboratory Complex.

Dr. Castillo has also pioneered initiatives for CNL's expansion into new business areas, such as medical isotope production, and was a critical force in the Actineer joint venture with ITM for Ac-225 production. Known for his ability to manage high-performing teams of over 200 professionals, he has successfully delivered complex, multi-disciplinary projects through collaboration with industry and research organizations in Canada and abroad.

Dr. Castillo earned his Ph.D. in Chemical Engineering with a minor in Chemistry from McGill University, Canada, and is an alumnus of the World Nuclear University's Summer Institute, a prestigious nuclear leadership academy.

## **Expanding Tritium and Fusion Technology Leadership**

In his role at FFC, Dr. Castillo oversees the integration of CNL's tritium expertise into FFC's ambitious fusion energy initiatives, working closely with cross-functional teams to drive forward advancements in tritium technology and fusion plant systems. His approach combines project management excellence with a focus on innovation, operational efficiency, and value creation for FFC and its partners in the global fusion sector.

2024–Present Co-CEO, Fusion Fuel Cycles Inc. - Ontario, Canada

2006–Present Director, Hydrogen and Tritium Directorate, Canadian Nuclear Laboratories - Ontario, Canada

Project Director, Actineer Joint Venture, Canadian Nuclear Laboratories

Project Director, Tritium Facility Refurbishment, Canadian Nuclear Laboratories

[Additional roles and details as relevant]

## Key Expertise

- Strategic planning and project leadership in tritium and fusion technology
- Development and management of complex nuclear R&D initiatives
- Collaborative innovation and cross-industry partnerships
- Technology portfolio management and business development in nuclear science
- High-performance team building and multi-disciplinary project delivery

